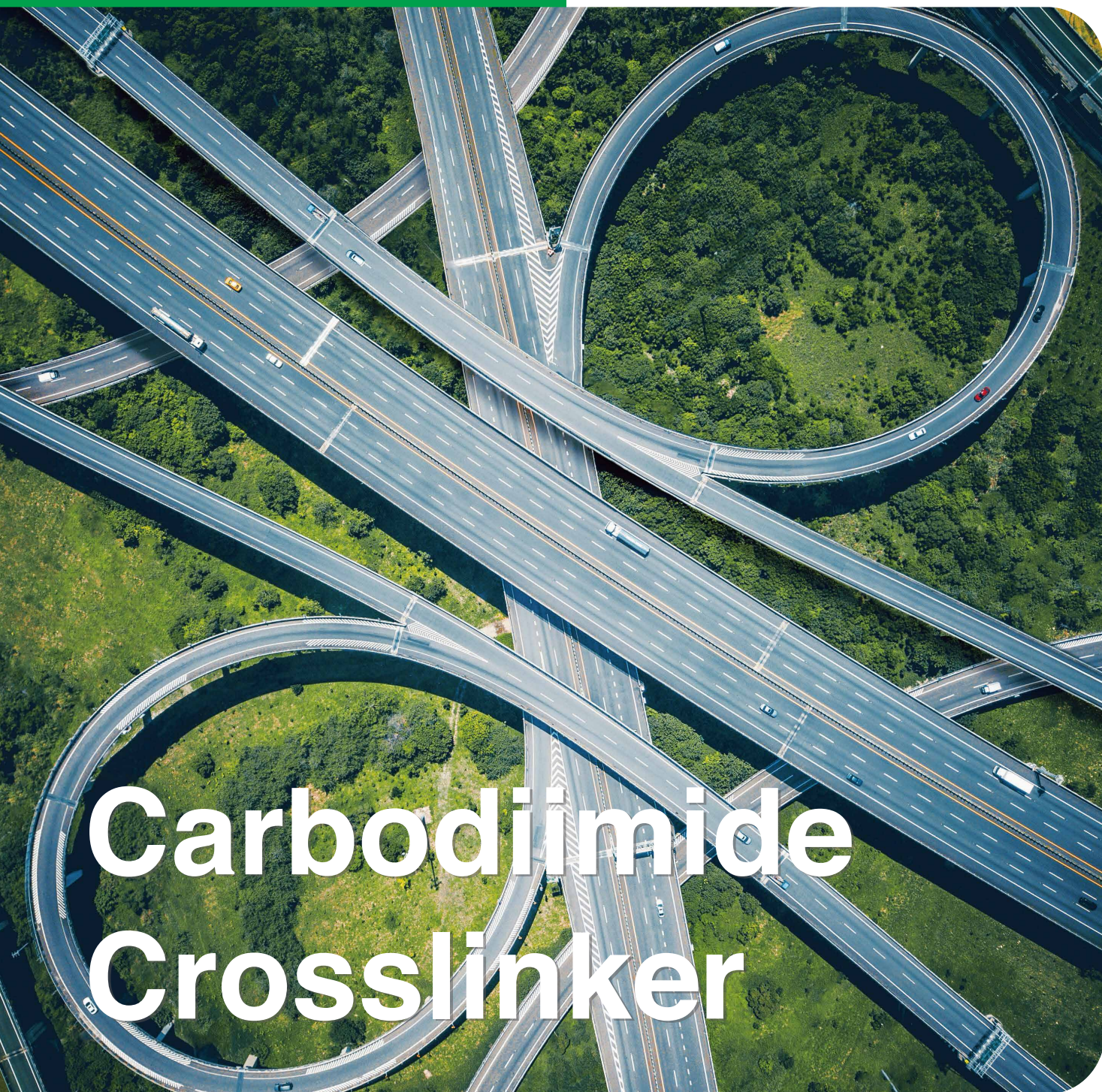




TECHNICAL CONTROL




Carbodiimide Crosslinker

Carbolinker


High Performance · Green Sustainability

Stable Efficient Eco-friendly


Advantages of Carbodiimide Crosslinker




Low toxicity
Operation safety




High reactivity
Crosslink at room temperature




Enhance abrasion
and scratch resistance



Improve chemical resistance





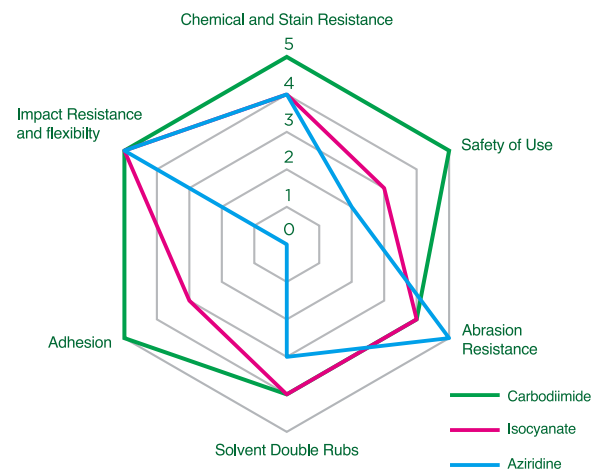
Excellent adhesion to
a wide range of substrates



Outstanding stability
Longer pot life

Comparison with Traditional Crosslinkers

	Aziridine	Isocyanate	Carbodiimide
Reactive Group	-COOH	-OH, -NH, Water	-COOH
Pot Life	Up to 12 hours	1 to 6 hours	Up to several weeks
GHS Symbols			\
H-phrases	H302, H317, H318, H341, H373, H411	H317, H332, H335	\
Moisture Sensitivity	High	Very high	Low
Yellowing	High	Low	Low
Gas Release	\	CO ₂	\
Compatibility with Glossy Resin	Good	Average	Good



Carbolinker

Product Code	Ingredient	Active Content (%)	Solvent	Solvent Content (%)	Viscosity 25°C(%)
Carbolinker D30	Carbodiimide	30	Water	70	≤100
Carbolinker D40	Carbodiimide	40	Water	60	50-300
Carbolinker D50	Carbodiimide	50	DPM	50	200-600
Carbolinker D60	Carbodiimide	60	DPM	40	200-600

- Significantly improve adhesion & chemical resistance
 - Enhance abrasion resistance, strength & hardness of coatings
 - Crosslink at room temperature
 - No gas release under standard operation
- Good hydrophilicity for easier operation
 - Prevent from color migration, no yellowing
 - High compatibility with polymers without altering the gloss
 - Longer pot life (suggest for mixtures with a pH>8)

* Features may be not applicable to all grades.

Application



Leather Coatings



Textile Printing



Wood Coatings



Printing Inks



Industrial Coatings